

Thailand's National Aquatic Animal and Trade Benefit in the Digital Market of ASEAN"

Dr. Amonrat Sermwatanakul (Dr. Noi)

Presentation at

Trade, Technology and Future Tension: Limitless Opportunities and Threats

2 September 2019, Shangri-La Hotel, Bangkok, Thailand



On May 26, 2015 before cabinet meeting, PM named this plakad as "Thxng prakāy sæd = Sparkling gold".





 On February 5, 2019, the Siamese fighting fish, known in the West as a betta fish, was named Thailand's national aquatic animal for its historical and cultural significance.

SFF Farm: Commercial Scale

(300,000-500,000 bottles)



Breeding Zone 6 days



Nursery Zone (1.5 months)



Growth out Zone 2.5-3 months

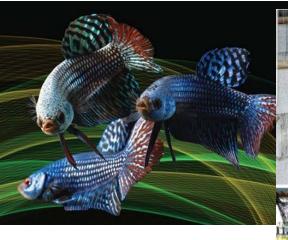
Expectation

Auto feeding and changing water machines

Backyard Home Breeder SFF













How is SFF aquaculture bring people to trade benefit in the digital market of ASEAN to worldwide?







- What is inside the bottle? Of course => SFF
- What is inside the SFF?
 innovation of genetic improvement by our farmers



Betta Color Map



Yellow Layer Red Layer

No known mutation/ genes

Er_ (extended red); Vf_ (variegated fin/butterfly); alleles = nrnr (nonred), nr2nr2 (orange); RI_(red loss).

Black Layer

mm (melano), fbfb (fertile black, black (ace).

Iridocyte Layer

Blue guanophores: alleles = ++ (wild type, blue green), bl+ (codominance, royal blue), blbl (steel blue).



Recessive = black, yellow, orange, plakat.

Dominance

Iridocyte spread: Si_

Si

Iridocyte opacity: Op_(opaque, additive).

Dominant = red, opaque, turquoise, steel, royal, butterfly, marble, Codominant = Blue iridiscence, wild type yellow iridiscence,

> Marble: mbmb (randomly turns the color layers off/ on; jumping gene. Partially dominant).

Cambodian: cc (reduced black, typically flesh body, red fins).

cc

Blonde: bb (creates bright red if extended red; silver if steel, washed black).

Dragon: (thick, opaque, armorlike body scales; not fully understood, probably partially dominant).



Yellow guanophores: alleles = ++ (wild type, yellow iridocytes prominent), +nm (yellow iridocytes reduced), nmnm = nonmetallic. Modifies blue guanophore expression.



Layer Modifiers

(spread iridocytes).

Op.

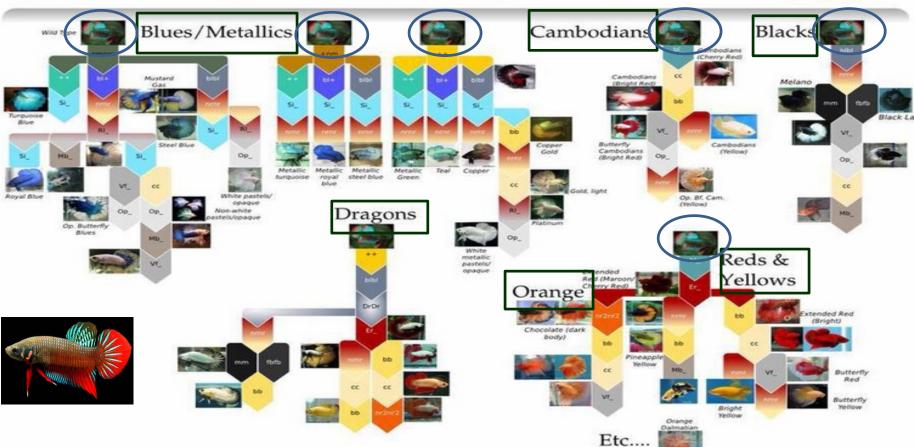
crowntail, doubletail (halfmoon is multifactorial)













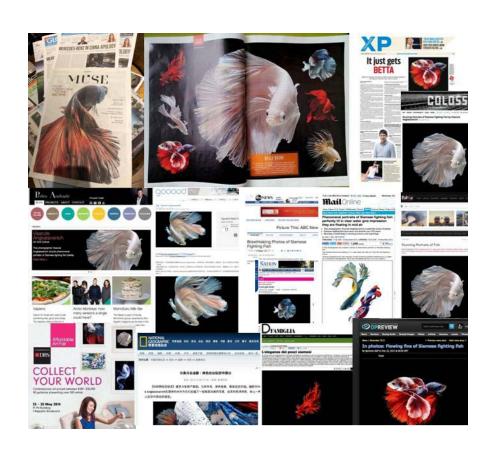
Digital Marketing connect SFF farmers to 100 country customers













- ProductPicture
- Product Code
- Post





Exporting /
importing
Trans shipper





Worldwide market



สวัสดี คุณ Gidabettafarm เราเพิ่งส่งในหนังหนี (0001) ของคุณไม่แก่ Kelli Abbott โปรด หราบว่าคุณอาจต้องรอสักครูจึงจะเห็นการทำรายการนี้ในปัญชิ ของคุณ อุในตรีงหนัยองคุณ

5.

PayPal

เข้าสู่ระบบ

ถ้าคุณมีปัญหาในการเข้าสู่ระบบ สมัครสมาชิก ข้อความถึง Kelli Abbott

Thank you for buying my betta. He's going to have a great home after a long trip. I'll take care the Dumbo frommen until to you hands. Congratulations from Gida bettafarm. Betta is delivered by shipping. Julie Tran #CA E-Mail: flowerhornsfrombeyond@yahoo.com Thank you.

สรปข้อมลของใบแจ้งหนี้ของคณ

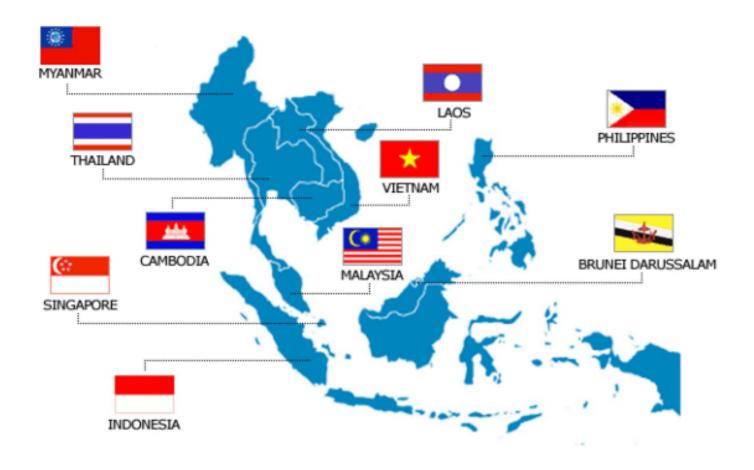
ดูใบแจ้งหนี้ที่ผู้รับของคุณจะเพิ่น

PayPal

ส่งไปถึง	Kelli Abbott
	kelli.abbott@yahoo.com
ส่งมาจาก	Gidabettafarm
	jsiriwat@gmail.com
หมายเลขใบแจ้ง หนึ	0001
วันที่ครบกำหนด ชำระเงิน	01 û.u. 2016
จำนวนเงิน	\$45.00 USD

Bidding Winner





Thailand, Indonesia Singapore Malaysia Philippines Vietnam Myanmar Loas

SFF Topedo Team from the Souththern Part of Thailand to Berlin





Aquarium Glaser GmbH อยู่ที่ Aquarium Glaser GmbH

28 ส.ค. เวลา 12:04 • Rodgau • 😵

Betta splendens Pla Kat Halfmoon Galaxy Candy

Sometimes you don't know what to admire more: the breeding skills of #Betta freaks or their creativity in inventing new names. However, these candies are real beauties; each animal is individually patterned and spotted, so they are unique! Our dear friend Kamphol has sent us an exclusive collection of these Betta #splendens beauties from #Thailand.

#aquarium #freshwater fish

Best in show and Champion Junior class from Plakad Contest @Pha Ngan, Surathani Photos & Text Frank Schäfer ><(((((°> <°)))))>< ><(((((°> <°)))))><





🗘 🎧 🔐 119 ความคิดเห็น 3 รายการ ∙ แซร์ 19 ครั้ง











Family activities @SFF farms
Sustainable practice



Government support Promoting SFF Networks

5 networks along the country



Trade Benefit of SFF in the Digital Market of ASEAN

- SFF
- Labyrinth organ allows the fish to breathe air from the surface of the water.
- · Easy to breed in the tropical countries
- Easy for transportation
- Thailand =>National Aquatic Animal
- Cultural ambassador from farmer directly to customer
- Connect aquaculture to Industry with creative SFF image
- Thai Post starts negotiation to China post.

Creative economy Aquaculture to Industry

















"Siamese Fighting Fish,

will serve Trade Benefit in the Digital Market of ASEAN"

